

## EAST Search History

| Ref # | Hits | Search Query                       | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|------------------------------------|---|------------------|---------|---------------------|
|       |      | S135 and transmi\$7                | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR               | ON      | 2008/04/26<br>14:04 |
|       |      | S123 and locat\$                   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR               | ON      | 2007/09/24<br>16:37 |
|       |      | S106 and transmi\$                 | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR               | ON      | 2006/05/03<br>08:49 |
|       |      | S97 and threshold and<br>frequen\$ | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR               | ON      | 2006/05/02<br>13:31 |
|       |      | S85 and frequen\$                  | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR               | ON      | 2006/05/01<br>17:13 |
|       |      | S59 and (search near1 mean<br>\$)  | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR               | ON      | 2007/06/17<br>15:47 |
| S1    | 1    | ("20040139105").PN.                | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR               | OFF     | 2006/04/29<br>15:32 |
| S2    | 1    | S1 and dither                      | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR               | ON      | 2006/04/29<br>13:51 |
| S3    | 1    | S1 and (display near1 point)       | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR               | ON      | 2006/04/29<br>13:57 |

|     |    |   |   |    |     |                  |
|-----|----|---|---|----|-----|------------------|
| S4  | 3  | ("5995978", "5983237", "20020069218").pn. | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2006/04/29 14:16 |
| S5  | 1  | (US-5995978-\$).did.                      | USPAT                                     | OR | OFF | 2006/04/29 14:15 |
| S6  | 0  | S5 and node                               | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2006/04/29 14:16 |
| S7  | 1  | (US-5983237-\$).did.                      | USPAT                                     | OR | OFF | 2006/04/29 14:16 |
| S8  | 0  | S7 and node                               | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2006/04/29 14:19 |
| S9  | 0  | S1 and "array of nodes"                   | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2006/04/29 14:20 |
| S10 | 0  | S1 and "array of node"                    | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2006/04/29 14:20 |
| S11 | 1  | S1 and "array"                            | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2006/04/29 14:29 |
| S12 | 1  | S1 and cluster                            | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2006/04/29 14:30 |
| S13 | 32 | ("5983237").URPN.                         | USPAT                                     | OR | OFF | 2006/04/29 14:45 |
| S14 | 1  | S13 and (point with position)             | USPAT                                     | OR | ON  | 2006/04/29 15:24 |
| S15 | 18 | S13 and (position)                        | USPAT                                     | OR | ON  | 2006/04/29 15:55 |
| S16 | 17 | S15 not S14                               | USPAT                                     | OR | ON  | 2006/04/29 15:31 |
| S17 | 0  | S13 and (array with node)                 | USPAT                                     | OR | ON  | 2006/04/29 15:31 |

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|-----|----|--|---|----|-----|---------------------|
| S18 | 1  | S1 and (array with node)                                       | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/04/29<br>15:32 |
| S19 | 93 | (search with engine) and<br>(array with node)                  | USPAT   | OR | ON  | 2006/04/29<br>15:56 |
| S20 | 60 | S19 and position   | USPAT   | OR | ON  | 2006/04/29<br>15:56 |
| S21 | 15 | (search with engine) and<br>(array with node with<br>position) | USPAT   | OR | ON  | 2006/04/29<br>15:57 |
| S22 | 15 | S21 and point  | USPAT   | OR | ON  | 2006/04/29<br>17:04 |
| S23 | 0  | ("6959303").URPN.  | USPAT   | OR | OFF | 2006/04/29<br>16:08 |
| S24 | 0  | ("6959303").URPN.  | USPAT   | OR | OFF | 2006/04/29<br>16:08 |
| S25 | 5  | S21 and frequenc\$4  | USPAT   | OR | ON  | 2006/04/29<br>16:14 |
| S26 | 1  | (US-6959303-\$).did.   | USPAT   | OR | OFF | 2006/04/29<br>17:04 |
| S27 | 1  | S26 and point  | USPAT   | OR | ON  | 2006/04/29<br>17:04 |
| S28 | 1  | S26 and (display\$3)   | USPAT   | OR | ON  | 2006/04/29<br>17:07 |
| S29 | 1  | S26 and result   | USPAT   | OR | ON  | 2006/04/29<br>17:08 |
| S30 | 32 | ("5983237").URPN.  | USPAT   | OR | OFF | 2006/04/29<br>17:24 |
| S31 | 2  | S30 and (display\$3 with<br>point)                             | USPAT   | OR | ON  | 2006/04/29<br>17:37 |
| S32 | 25 | S30 and point  | USPAT   | OR | ON  | 2006/04/29<br>17:24 |
| S33 | 23 | S32 not S31  | USPAT   | OR | ON  | 2006/04/29<br>17:25 |
| S34 | 0  | S30 and (output\$3 with<br>point)                              | USPAT   | OR | ON  | 2006/04/29<br>17:36 |
| S35 | 1  | ("6651054").PN.  | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/04/29<br>17:36 |
| S36 | 1  | S35 and (display\$3 with<br>point)                             | USPAT   | OR | ON  | 2006/04/29<br>17:40 |
| S37 | 0  | S35 and array  | USPAT   | OR | ON  | 2006/04/29<br>17:40 |

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|-----|----|---|---|----|-----|---------------------|
| S38 | 36 | "5983237"                               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/04/29<br>17:49 |
| S39 | 1  | ("5983237").PN.                         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/04/29<br>17:49 |
| S40 | 1  | (US-5983237-\$).did.                    | USPAT   | OR | OFF | 2006/05/01<br>11:20 |
| S41 | 1  | S40 and point                           | USPAT   | OR | ON  | 2006/05/01<br>11:21 |
| S42 | 1  | S40 and position                        | USPAT   | OR | ON  | 2006/05/01<br>11:31 |
| S43 | 0  | S40 and (search\$3 with select<br>\$4)  | USPAT   | OR | ON  | 2006/05/01<br>11:31 |
| S44 | 1  | S40 and (search\$3 with criter<br>\$)   | USPAT   | OR | ON  | 2006/05/01<br>11:32 |
| S45 | 1  | S40 and search\$3                       | USPAT   | OR | ON  | 2006/05/01<br>11:34 |
| S46 | 1  | S40 and position                        | USPAT   | OR | ON  | 2006/05/01<br>11:54 |
| S47 | 0  | S40 and (position with array)           | USPAT   | OR | ON  | 2006/05/01<br>11:35 |
| S48 | 0  | S40 and (position with<br>vector)       | USPAT   | OR | ON  | 2006/05/01<br>11:35 |
| S49 | 1  | S40 and tree                            | USPAT   | OR | ON  | 2006/05/01<br>11:58 |
| S50 | 1  | S40 and gui                             | USPAT   | OR | ON  | 2006/05/01<br>11:58 |
| S51 | 1  | S40 and gui and display\$3              | USPAT   | OR | ON  | 2006/05/01<br>11:58 |
| S52 | 1  | S40 and gui and display\$3<br>and point | USPAT   | OR | ON  | 2006/05/01<br>13:34 |
| S53 | 1  | S40 and gui and display\$3              | USPAT   | OR | ON  | 2006/05/01<br>13:39 |
| S54 | 1  | S40 and map\$4                          | USPAT   | OR | ON  | 2006/05/01<br>13:57 |
| S55 | 1  | S40 and vector and array<br>and matrix  | USPAT   | OR | ON  | 2006/05/01<br>14:12 |
| S56 | 0  | S40 and frequenc\$                      | USPAT   | OR | ON  | 2006/05/01<br>14:14 |
| S57 | 0  | S40 and occurrenc\$                     | USPAT   | OR | ON  | 2006/05/01<br>14:22 |
| S58 | 1  | S40 and threshold                       | USPAT   | OR | ON  | 2006/05/01<br>14:22 |

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|-----|---|------------------------------------|---|----|-----|---------------------|
| S59 | 1 | ("20040139105").PN.                | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/05/01<br>14:41 |
| S60 | 0 | S40 and "search means"             | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/05/01<br>14:39 |
| S61 | 0 | S59 and "search means"             | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/05/01<br>14:40 |
| S62 | 0 | S59 and "search mean"              | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/05/01<br>14:40 |
| S63 | 0 | S59 and "search mean"              | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>14:40 |
| S64 | 0 | S59 and (search near1 mean<br>\$1) | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>14:40 |
| S65 | 0 | S59 and (search with mean<br>\$1)  | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>14:40 |
| S66 | 1 | S59 and search                     | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/05/01<br>14:56 |
| S67 | 1 | S40 and cluster                    | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>14:57 |
| S68 | 1 | S40 and cluster\$                  | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>15:46 |

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|-----|------|---|---|----|-----|---------------------|
| S69 | 1    | S59 and (display\$3 with label)   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>15:49 |
| S70 | 1    | S59 and label   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>15:49 |
| S71 | 4    | (US-6847966-\$ or US-6782395-\$ or US-6493705-\$ or US-6959303-\$).did. | USPAT   | OR | OFF | 2006/05/01<br>16:15 |
| S72 | 1    | S71 and label   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>16:16 |
| S73 | 0    | S71 and cluster\$3  | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>16:17 |
| S74 | 0    | S71 and cluster\$   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>16:17 |
| S75 | 1    | ("6651054").PN.   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/05/01<br>16:17 |
| S76 | 0    | S75 and label\$   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>16:17 |
| S77 | 0    | S75 and cluster\$   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>16:18 |
| S78 | 1998 | label\$3 with cluster\$3  | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>16:18 |

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|-----|----|---|---|----|-----|---------------------|
| S79 | 96 | label\$3 with cluster\$3 with word                | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>16:24 |
| S80 | 6  | label\$3 with cluster\$3 with word with select\$3 | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>16:19 |
| S81 | 80 | S79 and point                                     | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>16:24 |
| S82 | 75 | S81 not S80                                       | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>17:12 |
| S83 | 56 | ("6460036").URPN.                                 | USPAT   | OR | OFF | 2006/05/01<br>16:28 |
| S84 | 1  | "20020138487"                                     | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>17:12 |
| S85 | 1  | ("20020138487").PN.                               | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/05/01<br>17:12 |
| S86 | 1  | S85 and frequen\$5                                | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>17:15 |
| S87 | 1  | S85 and (frequen\$5 or occurrenc\$3)              | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/01<br>17:15 |
| S88 | 0  | ("20020138487A1").PN.                             | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/05/02<br>10:25 |
| S89 | 1  | ("20020138487").PN.                               | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/05/02<br>10:26 |

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| S90 | 1  | ("5983237").PN.                     | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/05/02<br>10:26 |
| S91 | 0  | ("0002or3").PN.                     | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/05/02<br>10:26 |
| S92 | :2 | S89 S90                             | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/05/02<br>10:33 |
| S93 | :0 | S92 and portable                    | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/02<br>10:26 |
| S94 | :1 | S92 and device                      | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/02<br>10:26 |
| S95 | :2 | S92 and (computer or<br>device)     | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/02<br>10:34 |
| S96 | :1 | ("7031909").PN.                     | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/05/02<br>13:25 |
| S97 | :1 | ("5754938").PN.                     | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/05/02<br>13:26 |
| S98 | :1 | S97 and threshold                   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/02<br>13:31 |
| S99 | :1 | S97 and threshold and<br>frequen\$5 | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/02<br>13:38 |

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| S100 | 1    | S97 and threshold and frequen\$5 and occurr\$5            | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/02<br>14:13 |
| S101 | 4748 | threshold and (frequen\$5 with occurr\$5) and vector      | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/02<br>13:49 |
| S102 | 1    | S97 and threshold and frequen\$5 and occurr\$5 and vector | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/02<br>14:59 |
| S103 | 0    | S97 and portable  | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/02<br>15:00 |
| S104 | 1    | S97 and device  | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/02<br>15:00 |
| S105 | 1    | S97 and computer  | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/02<br>15:00 |
| S106 | 1    | ("5983237").PN.   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/05/03<br>08:05 |
| S107 | 1    | S106 and (program\$4 or code)                             | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/03<br>08:42 |
| S108 | 1    | S106 and storage  | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/03<br>08:48 |
| S109 | 0    | S106 and transmission                                     | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/03<br>08:49 |

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| S110 | 0   | S106 and transmit\$4           | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/03<br>08:51 |
| S111 | 1   | S106 and network\$3            | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/05/03<br>08:51 |
| S112 | 1   | ("20040139105").PN.            | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/12/15<br>13:07 |
| S113 | 1   | S112 and "self-organizing map" | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/12/15<br>13:07 |
| S114 | 1   | ("5983237").PN.                | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2006/12/15<br>15:04 |
| S115 | 1   | S114 and network\$3            | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/12/15<br>15:04 |
| S116 | 800 | "self-organizing map"          | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/12/15<br>15:04 |
| S117 | 800 | "self-organizing map"          | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2006/12/15<br>15:05 |
| S118 | 1   | ("20040139105").PN.            | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2007/06/17<br>15:47 |
| S119 | 1   | S118 and (image with data)     | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2007/06/17<br>15:48 |

|      |    |                            |   |    |     |                     |
|------|----|----------------------------|---|----|-----|---------------------|
| S120 | 1  | S118 and image             | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2007/06/17<br>15:48 |
| S121 | 1  | (US-20020138487-\$).did.   | US_PGPUB  | OR | OFF | 2007/09/24<br>15:20 |
| S122 | 0  | S121 and image             | US_PGPUB  | OR | ON  | 2007/09/24<br>15:20 |
| S123 | 1  | ("5983237").PN.            | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2007/09/24<br>15:51 |
| S124 | 0  | S123 and map               | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2007/09/24<br>15:52 |
| S125 | 1  | S123 and mapping           | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2007/09/24<br>16:36 |
| S126 | 1  | S123 and locat\$4          | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2007/09/24<br>16:37 |
| S127 | 1  | ("20040139105").PN.        | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2007/09/25<br>15:17 |
| S128 | 1  | S127 and (image with data) | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2007/09/25<br>15:17 |
| S129 | 44 | ("5983237").URPN.          | USPAT   | OR | OFF | 2007/09/25<br>15:17 |
| S130 | 44 | ("5983237").URPN.          | USPAT   | OR | OFF | 2007/09/25<br>15:17 |
| S131 | 31 | S130 and point             | USPAT   | OR | ON  | 2007/09/25<br>15:17 |
| S132 | 1  | ("5983237").PN.            | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2008/04/25<br>21:54 |

|      |   |                                  |   |    |     |                     |
|------|---|----------------------------------|---|----|-----|---------------------|
| S133 | 1 | S132 and (compar\$3 or match\$3) | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2008/04/25<br>21:54 |
| S134 | 1 | S132 and (compar\$4 or match\$3) | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2008/04/25<br>21:55 |
| S135 | 1 | ("20040139105").PN.              | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2008/04/26<br>14:01 |
| S136 | 1 | S135 and signal                  | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2008/04/26<br>14:01 |
| S137 | 1 | S135 and transmission            | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2008/04/26<br>14:02 |
| S138 | 0 | S135 and (carrier or wave)       | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2008/04/26<br>14:02 |
| S139 | 1 | S135 and (storage with medium)   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2008/04/26<br>14:04 |
| S140 | 1 | S135 and transmi\$5              | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2008/04/26<br>14:06 |
| S141 | 1 | S135 and (storage with medium)   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2008/04/26<br>15:40 |
| S142 | 1 | S135 and (provid\$3 with medium) | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2008/04/26<br>15:41 |

|      |      |   |   |    |     |                     |
|------|------|---|---|----|-----|---------------------|
| S143 | 1    | S135 and processor  | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2008/04/26<br>15:42 |
| S144 | 0    | (US-6959303-\$).did.  | USPAT   | OR | OFF | 2008/04/26<br>16:02 |
| S145 | 1    | ("20040139105").PN.   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2008/04/26<br>16:02 |
| S146 | 1    | S145 and (image with data)  | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2008/04/26<br>16:02 |
| S147 | 1    | ("5983237").PN.   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2008/11/01<br>19:30 |
| S148 | 1    | S147 and (search\$3 near5<br>(term or keyword or query))                          | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2008/11/01<br>19:30 |
| S149 | 0    | ("2003398038").PN.  | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | OFF | 2008/11/01<br>20:37 |
| S150 | 1116 | "self-organizing map"   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2008/11/01<br>22:31 |
| S151 | 463  | S150 and @ad<"20021127"   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2008/11/01<br>22:31 |
| S152 | 8    | "15" and ("self-organizing<br>map" near4 (query or<br>keyword))                   | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2008/11/01<br>22:32 |
| S153 | 2    | "15" and ((("self-organizing<br>map" near4 (query or<br>keyword)) same search\$3) | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON  | 2008/11/01<br>22:32 |

|      |   |   |   |    |     |                  |
|------|---|---|---|----|-----|------------------|
| S154 | 1 | S151 and ("self-organizing map" near4 (query or keyword)) same search\$3)         | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2008/11/01 22:32 |
| S155 | 5 | S151 and ("self-organizing map" near4 (query or keyword))                         | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2008/11/01 22:33 |
| S156 | 1 | S151 and ("self-organizing map" near4 (query or keyword or term)) same search\$3) | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2008/11/01 22:36 |
| S157 | 2 | S155 and ((position or node or location) with (map\$4 or correspond\$5))          | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2008/11/01 22:38 |
| S158 | 1 | ("20040139105").PN.   | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2008/11/03 14:53 |
| S159 | 0 | S158 and (computer \$1readable near2 medium)                                      | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2008/11/03 14:53 |
| S160 | 0 | S158 and computer \$1readable   | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2008/11/03 14:53 |
| S161 | 0 | S158 and readable   | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2008/11/03 14:53 |
| S162 | 1 | S158 and medium   | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2008/11/03 14:54 |
| S163 | 1 | S158 and (signal or wave or bearing)  | US_PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON  | 2008/11/03 14:54 |

|      |   |   |   |    |    |                     |
|------|---|---|---|----|----|---------------------|
| S164 | 1 | S158 and (signal or wave or bearing or carrier) | US_PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2008/11/03<br>14:54 |
|------|---|---|---|----|----|---------------------|

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